

INTERNATIONAL SEARCH REPORT

Application No

PCT/NL2004/000126

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B65G21/18 B65G15/62

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B65G F26B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 782 340 A (DOLAN REX H) 21 July 1998 (1998-07-21)	1-5, 7-10, 12, 13, 15
Y	the whole document	6, 16-21
X	FR 2 695 112 A (INOTEC) 4 March 1994 (1994-03-04) the whole document	1, 3-5, 7, 8, 11-14
X	US 6 474 463 B1 (WOELFEL PETER MAXIMILIAN) 5 November 2002 (2002-11-05) the whole document	1-5, 7, 8, 10, 12, 13, 15
	--- -/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

15 June 2004

Date of mailing of the international search report

22/06/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Silvis, H

INTERNATIONAL SEARCH REPORT

 Application No
 PCT/NL2004/000126

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 735 113 A (GETIN GHISLAINE) 13 December 1996 (1996-12-13) page 3, line 16 - line 19 page 4, line 12 - line 14 page 5, line 18 - line 26; figures 1,5 ---	1-4,9, 10,12
X	DE 34 37 868 A (GEFRA BV MACHINE) 17 April 1986 (1986-04-17) the whole document ---	1,3-5,7, 9,10,12, 13
Y	US 5 590 757 A (SZALANKIEWICZ JAMES J ET AL) 7 January 1997 (1997-01-07) column 7, line 15 - line 41; figures 2,5 ---	6
A	US 4 627 529 A (FORD RICHARD A ET AL) 9 December 1986 (1986-12-09) the whole document ---	1,3-5,7, 8,11-13
Y	GB 1 090 630 A (ASHWORTH BROS INC) 8 November 1967 (1967-11-08) page 6, line 93 - line 104; figure 7 ---	16
P,X	FR 2 836 135 A (BRUNONE RENE) 22 August 2003 (2003-08-22) the whole document ---	1,2,9, 10,13,15
A	US 5 074 407 A (BRUMBY JOHN A) 24 December 1991 (1991-12-24) the whole document ---	1,2,9, 10,13,15
A	US 4 535 963 A (LACHONIUS LEIF) 20 August 1985 (1985-08-20) ---	17-21
A	GB 816 291 A (GUTEHOFFNUNGSHUETTE STERKRADE) 8 July 1959 (1959-07-08) -----	1,3,4,9, 10,12-15 5-8,11
		1,2.

INTERNATIONAL SEARCH REPORT

Information on patent family members

Application No

PCT/NL2004/000126

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5782340	A	21-07-1998	WO 0001599 A1	13-01-2000
FR 2695112	A	04-03-1994	FR 2695112 A1	04-03-1994
US 6474463	B1	05-11-2002	DE 19825955 A1	23-12-1999
			DE 19861152 C1	03-08-2000
			DE 59905086 D1	22-05-2003
			WO 9964329 A1	16-12-1999
			EP 1086034 A1	28-03-2001
			JP 2002517363 T	18-06-2002
FR 2735113	A	13-12-1996	FR 2735113 A1	13-12-1996
DE 3437868	A	17-04-1986	DE 3437868 A1	17-04-1986
US 5590757	A	07-01-1997	US 5353920 A	11-10-1994
			US 5645158 A	08-07-1997
			US 6237753 B1	29-05-2001
US 4627529	A	09-12-1986	NONE	
GB 1090630	A	08-11-1967	BE 676509 A	18-07-1966
			DE 1481006 A1	13-02-1969
			SE 325515 B	29-06-1970
FR 2836135	A	22-08-2003	FR 2836135 A1	22-08-2003
US 5074407	A	24-12-1991	GB 2223823 A , B	18-04-1990
US 4535963	A	20-08-1985	DE 3213986 A1	18-11-1982
			FR 2504960 A1	05-11-1982
			GB 2100336 A , B	22-12-1982
			IT 1151322 B	17-12-1986
			SE 8102745 A	31-10-1982
GB 816291	A	08-07-1959	NONE	